

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2664	714/38	USPAT	OR	ON	2007/06/13 12:15
L2	1392	714/39	USPAT	OR	ON	2007/06/13 12:15
L3	319	714/51	USPAT	OR	ON	2007/06/13 12:15
L4	525	714/55	USPAT	OR	ON	2007/06/13 12:15
L5	963	717/124	USPAT	OR	ON	2007/06/13 12:15
L6	461	717/126	USPAT	OR	ON	2007/06/13 12:15
L7	888	717/127	USPAT	OR	ON	2007/06/13 12:15
L8	656	717/128	USPAT	OR	ON	2007/06/13 12:15
L9	559	717/131	USPAT	OR	ON	2007/06/13 12:15
L10	2576	714/25	USPAT	OR	ON	2007/06/13 12:15
L11	1786	714/30	USPAT	OR	ON	2007/06/13 12:15
L12	1345	714/37	USPAT	OR	ON	2007/06/13 12:15
L13	150	(L1 or L2 or L5 or L4 or L3 or L6 or L12 or L11 or L10 or L8 or L9 or L7) and ((variable or adjust\$6) near3 (interval or period or window)) and monitor\$6	USPAT	OR	ON	2007/06/13 12:16
L14	0	(L1 or L2 or L5 or L4 or L3 or L6 or L12 or L11 or L10 or L8 or L9 or L7) and ((variable or adjust\$6) near3 (interval or period or window) near3 (decreas\$4 or short\$8)) and monitor\$6	USPAT	OR	ON	2007/06/13 12:36
L15	12	(L1 or L2 or L5 or L4 or L3 or L6 or L12 or L11 or L10 or L8 or L9 or L7) and ((group\$4 or bunch\$4 or lot\$4 or array or set or collection or block or cluster) near3 (interval or period or window) near3 (decreas\$4 or short\$8)) and monitor\$6	USPAT	OR	ON	2007/06/13 12:46

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L16	0	(L1 or L2 or L5 or L4 or L3 or L6 or L12 or L11 or L10 or L8 or L9 or L7) and ((monitor\$4 or analyz\$4) near3 (group\$4 or bunch\$4 or lot\$4 or array or set or collection or block or cluster) near3 (interval or period or window) near3 (decreas\$4 or short\$8))	USPAT	OR	ON	2007/06/13 12:47
L17	27	((monitor\$4 or analyz\$4) near3 (group\$4 or bunch\$4 or lot\$4 or array or set or collection or block or cluster) near3 (interval or period or window) near3 (decreas\$4 or short\$8))	USPAT	OR	ON	2007/06/13 13:11
L18	35	((monitor\$4 or analyz\$4 or record\$4) near3 (event or state or variable or value)) same (((event or state or variable or value) near3 (group\$4 or bunch\$4 or lot\$4 or array or set or collection or block or cluster)) with ((interval or period or window) near3 (decreas\$4 or short\$8)))	USPAT	OR	ON	2007/06/13 12:50
L19	22	(L18 or L17) and ((group or cluster or block or collection or array or lot) near3 (event or state or variable or value))	USPAT	OR	ON	2007/06/13 13:14
L20	15	(US-5706281-\$ or US-6982842-\$ or US-6556952-\$ or US-6370656-\$ or US-6360337-\$ or US-6199139-\$ or US-6327620-\$ or US-5682489-\$ or US-5375199-\$ or US-7130765-\$ or US-6738730-\$ or US-6691067-\$ or US-6681331-\$ or US-5751963-\$ or US-6064950-\$).did.	USPAT	OR	ON	2007/06/13 14:01
L21	0	L20 and ((plurality or several or many or multiple or multitude) near3 (event or value or variable)) with ((decreas\$4 or short\$6 or shrink\$4 or less\$6 or reduc\$4) near3 (interval or period or window or time))	USPAT	OR	ON	2007/06/13 14:17

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L22	801	((plurality or several or many or multiple or multitude) near3 (event or value or variable)) with ((decreas\$4 or short\$6 or shrink\$4 or less\$6 or reduc\$4) near3 (interval or period or window or time))	USPAT	OR	ON	2007/06/13 14:17
L23	108	L22 and ((state or event) near3 (monitor\$4 or analyz\$4 or tracing or trace or tracking or track or profil\$4))	USPAT	OR	ON	2007/06/13 14:18
L24	78	L23 and ((interval or period or time or window) near3 ((plurality or several or many or multiple or multitude) near3 (event or variable or value)))	US-PGPU B; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/13 14:24
L25	6	L24 and ((CPU near3 load\$4) or (CPU near3 wait\$4) or (disk near3 wait\$4) or (processor near3 load\$4) or (processor near3 wait\$4) or (frequency near4 load\$4))	US-PGPU B; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/13 14:26
S62	291	variable near3 (trace or tracing or profil\$4 or monitor\$4) near3 (interval or period or window)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:37
S64	23	((program or application or software) adj (execution) adj (state or event)) near3 (monitor\$6 or watch\$4 or trac\$4 or profil\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:40
S65	2	S64 with interval	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:39
S66	0	S64 same (event near3 interval)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:39

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S67	0	S64 with period	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:39
S68	0	S64 same (event near3 period)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:41
S69	388	((execution) adj (state or event)) near3 (monitor\$6 or watch\$4. or trac\$4 or profil\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:40
S70	2	S69 with interval	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:41
S71	0	S69 same (event near3 interval)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:41
S72	6	S69 same period	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 14:28
S73	0	S69 same (event near3 period)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 13:41

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S74	3	(execution near2 monitor\$4) and ((event near2 monitor\$4) with ((decreas\$4 or short\$6) near3 (interval or period)))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 14:44
S75	0	(execution near2 monitor\$4) and ((event near2 monitor\$4) with ((group\$4) near3 (interval or period)))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/08 14:44



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- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

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Relevance scale ☐ ☐ ☐ ☐ ☐1 Estimating the Mean of a Correlated Binary Sequence with an Application to Discrete ☐Event Simulation

George S. Fishman, Louis R. Moore

January 1979 **Journal of the ACM (JACM)**, Volume 26 Issue 1

Publisher: ACM Press

Full text available: pdf(617.66 KB) Additional Information: [full citation](#), [references](#), [index terms](#)2 Capturing life experiences: Do life-logging technologies support memory for the past?: an experimental study using sensecam ☐

Abigail J. Sellen, Andrew Fogg, Mike Aitken, Steve Hodges, Carsten Rother, Ken Wood

April 2007 **Proceedings of the SIGCHI conference on Human factors in computing systems CHI '07**

Publisher: ACM Press

Full text available: pdf(677.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We report on the results of a study using SenseCam, a "life-logging" technology in the form of a wearable camera, which aims to capture data about everyday life in order to support people's memory for past, personal events. We find evidence that SenseCam images do facilitate people's ability to connect to their past, but that images do this in different ways. We make a distinction between "remembering" the past, and "knowing" about it, and provide evidence that SenseCam Images work differentl ...

Keywords: SenseCam, capture, episodic or autobiographical memory, images, life-logging, personal digital archives

3 Tree-structured neural decoding ☐

Christian d'Avignon, Donald Geman

December 2003 **The Journal of Machine Learning Research**, Volume 4

Publisher: MIT Press

Full text available: pdf(218.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose adaptive testing as a general mechanism for extracting information about stimuli from spike trains. Each test or question corresponds to choosing a neuron and a time interval and checking for a given number of spikes. No assumptions are made about the distribution of spikes or any other aspect of neural encoding. The chosen questions are

those which most reduce the uncertainty about the stimulus, as measured by entropy and estimated from stimulus-response data. Our experiments are bas ...

4 Compilation: Equivalence checking of arithmetic expressions using fast evaluation ☐



Mohammad Ali Ghodrat, Tony Givargis, Alex Nicolau

September 2005 **Proceedings of the 2005 international conference on Compilers, architectures and synthesis for embedded systems CASES '05**

Publisher: ACM Press

Full text available: pdf(245.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Arithmetic expressions are the fundamental building blocks of hardware and software systems. An important problem in computational theory is to decide if two arithmetic expressions are equivalent. However, the general problem of equivalence checking, in digital computers, belongs to the *NP Hard* class of problems. Moreover, existing general techniques for solving this decision problem are applicable to very simple expressions and impractical when applied to more complex expressions found i ...

Keywords: expression equivalence, interval analysis, mutual exclusion

5 Session 4: Persistence barcodes for shapes ☐



Gunnar Carlsson, Afra Zomorodian, Anne Collins, Leonidas Guibas

July 2004 **Proceedings of the 2004 Eurographics/ACM SIGGRAPH symposium on Geometry processing SGP '04**

Publisher: ACM Press

Full text available: pdf(320.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper, we initiate a study of shape description and classification via the application of persistent homology to two tangential constructions on geometric objects. Our techniques combine the differentiating power of geometry with the classifying power of topology. The homology of our first construction, the tangent complex, can distinguish between topologically identical shapes with different "sharp" features, such as corners. To capture "soft" curvature-dependent features, we define a s ...

6 Traffic generation and analysis: Self-configuring network traffic generation ☐



Joel Sommers, Paul Barford

October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measurement IMC '04**

Publisher: ACM Press

Full text available: pdf(1.22 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The ability to generate repeatable, realistic network traffic is critical in both simulation and testbed environments. Traffic generation capabilities to date have been limited to either simple sequenced packet streams typically aimed at throughput testing, or to application-specific tools focused on, for example, recreating representative HTTP requests. In this paper we describe Harpoon, a new application-independent tool for generating representative packet traffic at the <i>IP flow lev ...

Keywords: network flows, traffic generation

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Relevance scale ☐ ☐ ☐ ☐ ☐1 [Procedural modeling of cities](#)

Yoav I. H. Parish, Pascal Müller

August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques SIGGRAPH '01**

Publisher: ACM Press

Full text available: [pdf\(1.04 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Modeling a city poses a number of problems to computer graphics. Every urban area has a transportation network that follows population and environmental influences, and often a superimposed pattern plan. The buildings appearances follow historical, aesthetic and statutory rules. To create a virtual city, a roadmap has to be designed and a large number of buildings need to be generated. We propose a system using a procedural approach based on L-systems to model cities. From various image maps ...

Keywords: L-system, architecture, developmental models, modeling, software design, urban development

2 [Detecting topical events in digital video](#)

Tanveer Syeda-Mahmood, S. Srinivasan

October 2000 **Proceedings of the eighth ACM international conference on Multimedia MULTIMEDIA '00**

Publisher: ACM Press

Full text available: [pdf\(1.04 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The detection of events is essential to high-level semantic querying of video databases. It is also a very challenging problem requiring the detection and integration of evidence for an event available in multiple information modalities, such as audio, video and language. This paper focuses on the detection of specific types of events, namely, topic of discussion events that occur in classroom/lecture environments. Specifically, we present a query-driven approach to the detection of topic of ...

Keywords: multi-modal fusion, query-driven topic detection, slide detection, topic of discussion events, topical audio events

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1 [Procedural modeling of cities](#)



Yoav I. H. Parish, Pascal Müller

 August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques SIGGRAPH '01**

Publisher: ACM Press

 Full text available: [pdf\(1.04 MB\)](#)

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- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

museum +art

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museum -Paris

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museum +"natural history" dinosaur -Chicago

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